BRUHAT BENGALURU MAHANAGARA PALIKE

NAME OF THE WORK:

PROVIDING DRINKING WATER FACILITIES IN WARD OFFICE ROAD, AYYAPPANAGARA AND SURROUNDING AREAS IN WARD NO 16 JALAHALLI.

Head of Account :

Sl. No.	Description of Item	Unit	No	L	B	D	QTY	Rate	AMT
							Est. Amt. Rs.30.00 Lakhs		
1	**Earthwork in surface excavation in Hard soil for levelling and lowering the ground manually** (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. **(P.5/2.2 2016-17 BLORE CIRCLE PWD SR)**							Cum	
	50mm Dia Main Lines								
	Ward Office Road & Ayyappanagara								
	Ward Office Road								
	4th cross to Sharadamba Temple		2	395.00			790.00		
	8th main		2	100.00			200.00		
	7th main		1	240.00			240.00		
	6th main		2	122.00			244.00		
			2	122.00			244.00		
			2	160.00			320.00		
	Ayyappanagara		lines						
	Pipeline main		1	180.00			180.00		
	1st cross		1	56.00			56.00		
	2nd cross		1	70.00			70.00		
	3rd cross		1	100.00			100.00		
	4th cross		1	90.00			90.00		
	5th cross		1	110.00			110.00		
	6th cross		1	110.00			110.00		
	Total Length - mtrs						2754.00		
	Total Qty		1	2754.00	0.75	0.30	619.65		
	Consider 50% Qty						1377.00	258.85	356439
	Basic Rate	220.00							
	Adhoc % as per 2017-18 SR	24.20							
		244.20							
	Area Weightage @ 6%	14.65							
	Total Rate	258.85							
2	**Earthwork excavation** for foundation of buildings, **water supply**, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in hard soil** not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications. **(P.5/2.4 2016-17 BLORE CIRCLE PWD SR)**							Cum	
	50mm Dia Main Lines - 2 lines each road		1	2754.00	0.30	0.60	495.72		
	32mm Dia Distribution Lines								
	Proposed Distribution Line 32mm Dia line - Each House Connection		344	1.50	0.30	0.60	92.95		
							588.67	332.98	196014
	Basic Rate	283.00							
	Adhoc % as per 2017-18 SR	31.13							
		314.13							
	Area Weightage @ 6%	18.85							
	Total Rate	332.98							
3	**Cutting of road surface for pipeline trenches** and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the **Cement concrete road. (P.264/37.40 2016-17 BLORE CIRCLE PWD SR)**							Cum	

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Sl. No.	Description of Item	Unit	No	L	B	D	QTY	Rate	AMT
	30% Pipe length of Item no.2		1	826.20	0.30	0.15	37.18	714.20	26553
	Basic Rate	607.00							
	Adhoc % as per 2017-18 SR	66.77							
		673.77							
	Area Weightage @ 6%	40.43							
	Total Rate	714.20							
4	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Asphalt surface road. (P.264/37.38 2016-17 BLORE CIRCLE PWD SR)							Cum	
	70% Pipe length of Item no.2		1	1927.80	0.30	0.15	86.75	400.04	34704
	Basic Rate	340.00							
	Adhoc % as per 2017-18 SR	37.40							
		377.40							
	Area Weightage @ 6%	22.64							
	Total Rate	400.04							
5	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work). - 50mm nominal OD pipes (P.97/13.87.6 2016-17 BLORE CIRCLE PWD SR)							mtr	
		mtr	1	2754.00			2754.00	529.47	1458160
	Basic Rate	450.00							
	Adhoc % as per 2017-18 SR	49.50							
		499.50							
	Area Weightage @ 6%	29.97							
	Total Rate	529.47							
6	Providing and fixing gun metal wheel valve conforming to IS specification of approved make as per directions including all lead and lift etc., complete.- for 50mm dia (P.94/13.79.6 2016-17 BLORE CIRCLE PWD SR)							Nos	
		Nos	30				30	1694.30	50829
	Basic Rate	1440.00							
	Adhoc % as per 2017-18 SR	158.40							
		1598.40							
	Area Weightage @ 6%	95.90							
	Total Rate	1694.30							
7	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work) - 32mm nominal CD pipes (P.97/13.87.4 2016-17 BLORE CIRCLE PWD SR)							mtr	
	Proposed Distribution Line 32mm Dia line - Each House Connection		344	2.10			722.93		
							722.93	252.97	182878
	Basic Rate	215.00							
	Adhoc % as per 2017-18 SR	23.65							
		238.65							
	Area Weightage @ 6%	14.32							
	Total Rate	252.97							
8	Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 7.5Newton per sqmm (Machine moulded Wirecut bricks) with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P.28/6.20 2016-17 BLORE CIRCLE PWD SR)							Cum	
	Chambers for Gate Valve Operation	30	4	0.45	0.23	0.30	3.73		
							3.73	12191.93	45476
	Basic Rate	10362.00							
	Adhoc % as per 2017-18 SR	1139.82							

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Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	AMT
		11501.82							
	Area Weightage @ 6%	690.11							
	Total Rate	12191.93							
9	Providing and fixing in position **Bib Cock of approved quality 25mm nominal bore - NP** including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. **(Sl.No.620/Page-XXI 2016-17 BLORE CIRCLE PWD SR)**							Nos	
			1	344			344.25	252.97	87085
	Basic Rate	215.00							
	Adhoc % as per 2017-18 SR	23.65							
		238.65							
	Area Weightage @ 6%	14.32							
	Total Rate	252.97							
10	**Refilling available earth around pipe lines,** cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. **(P.6/2.11 2016-17 BLORE CIRCLE PWD SR)**							Cum	
	Excavated trench portion		1	2754.00	0.30	0.50	413.10		
							413.10	89.42	36940
	Basic Rate	76.00							
	Adhoc % as per 2017-18 SR	8.36							
		84.36							
	Area Weightage @ 6%	5.06							
	Total Rate	89.42							
11	**KSRRB M100-4.1. Cost of Haulage** Excluding Loading and Unloading **KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip**, excluding time for haulage and return trip complete as per specifications. **Haulage Distance - 10km's** **PWD SR 2016-17 VIDE SL.NO.17.1 & 17.4 PAGE NO.134**							Cum	
	Quantity vide Item no.1						1377.00		
	50% Quantity vide Item no.2						294.34		
						Quantity =	1671.34	~~117.66~~ 111.00	~~196649~~ 185519.00
	Basic Rate	100.00							
	Adhoc % as per 2017-18 SR	11.00							
		111.00							
	Area Weightage @ 6%	6.66							
	Total Rate	~~117.66~~							~~266059~~
									~~2671727~~
11	Add KRIDL Charges @ 11%								~~293890~~ 29668.00
12	Add PMC Charges @ 1%								26717
	Miscellaneous & Other							20020	~~7666~~
								Total Rs.	3000000

CERTIFICATE:

1. The work spot has been inspected and found to be necessary
2. The work spot comes under BBMP Limits
3. The provisions made in the estimate are necessary and minimum
4. The estimate is based on PW,P & IWTD B'luru SR 2016-17

Assistant Engineer
Ward-16
BBMP

Assistant Executive Engineer
Yeshwanthpur Sub-Division
BBMP

Executive Engineer
RRN Division
BBMP

ನಂ.: 131 Dated: 20-2-2018

ರೂ. 30,00,000/- Thirty lakhs only

TECHNICAL SANCTION

Rs: 30,00,000/- (Rs. Thirty lakhs only) is accorded under the memo No: P-1771 PWD-15-16 By CE(R.R.N.) 494/17-18 Registered as CE (R.R.N) No: 122-123 subject to conditions contained in enclosed memo No: 494/17-18 Date: 20/2/18.

TA

CE (R.R.N.)

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